Date/Time Deaths & Property & **Event Type and Details** Location Injuries Crop Dmg **LAKE MICHIGAN** SHEBOYGAN TO PT WASHINGTON WI COUNTY --- 1.9 N SHEBOYGAN [43.78, -87.72] 09/02/11 09:00 CST O Marine Thunderstorm Wind (MG 46 kt) 09/02/11 09:00 CST 0 Source: Mesonet Thunderstorm wind gust to 53 mph at Sheboygan North High School. A line of severe thunderstorms moved from east central Wisconsin over the near shore waters of Lake Michigan during the morning hours. These thunderstorms caused damaging thunderstorm wind gusts. WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 1.2 ENE KENOSHA [42.59, -87.81] 0 09/03/11 05:00 CST Marine Thunderstorm Wind (MG 35 kt) 09/03/11 05:00 CST 0 Source: C-MAN Station Strong thunderstorms affected portions of the Lake Michigan near shore waters off the southeast Wisconsin coast during the early morning hours of September 3rd. These thunderstorms caused severe marine wind gusts. NORTH PT LT TO WIND PT WI COUNTY --- 1.8 NNE CUDAHY [42.97, -87.84], 3.2 N CUDAHY [43.00, -87.85] 09/24/11 08:45 CST Waterspout 09/24/11 08:55 CST n Source: Public This was the first of five waterspouts that developed just southeast of Milwaukee Harbor. NORTH PT LT TO WIND PT WI COUNTY --- 2.6 NNE CUDAHY [42.99, -87.83], 5.2 N CUDAHY [43.03, -87.85] 09/24/11 09:00 CST Waterspout 09/24/11 09:20 CST O Source: Public This was the second of five waterspouts observed just southeast of Milwaukee Harbor. NORTH PT LT TO WIND PT WI COUNTY --- 2.9 N CUDAHY [42.99, -87.85], 5.1 N CUDAHY [43.02, -87.86] 09/24/11 09:02 CST 0 Waterspout 09/24/11 09:23 CST 0 Source: Coast Guard This was the third in a series of five waterspouts observed in Milwaukee Bay. Observed by commodore of Milwaukee Yacht Club. NORTH PT LT TO WIND PT WI COUNTY --- 4.3 N CUDAHY [43.01, -87.86], 4.5 SE NORTH POINT LTHOUSE [43.03, -87.87] 09/24/11 09:30 CST n Waterspout 09/24/11 09:40 CST 0 Source: Coast Guard This was the fourth in a series of five waterspouts observed in Milwaukee Bay that morning. This waterspout was observed by multiple people at the Milwaukee Yacht Club as well as Coast Guard personnel on ship. NORTH PT LT TO WIND PT WI COUNTY --- 4.9 SE NORTH POINT LTHOUSE [43.03, -87.86], 4.0 SE NORTH POINT LTHOUSE [43.04, -87.87] 09/24/11 09:40 CST 0 Waterspout 09/24/11 09:45 CST 0 Source: Public This was the last and furthest north in a series of five waterspouts observed in Milwaukee Bay that morning. This waterspout was observed by multiple people at the Milwaukee Yacht Club. WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 4.4 ESE KENOSHA [42.56, -87.75], 4.1 E KENOSHA [42.58, -87.75] 09/24/11 14:12 CST 0 Waterspout 09/24/11 14:17 CST 0 Source: Trained Spotter One of two waterspouts that developed just east of the Kenosha lake shore, caused by very unstable conditions in the low levels of the atmosphere over Lake Michigan and weak low level convergent boundaries caused by nearby showers.

WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 2.3 E KENOSHA [42.59, -87.79], 1.4 ENE KENOSHA [42.59, -87.80] 09/24/11 14:22 CST

09/24/11 14:36 CST

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Source: Emergency Manager

Waterspout

0

0

Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

One of two waterspouts that developed just east of the Kenosha lake shore, caused by very unstable conditions in the low levels of the atmosphere over Lake Michigan and weak low level convergent boundaries caused by nearby showers.

On September 24th, 2011 an unseasonably cold air mass flowed over the warm waters of Lake Michigan creating very unstable conditions in the low levels of the atmosphere. The lake surface temperature was estimated to be in the lower to middle 60s F. Meanwhile, the ambient air around 4000 feet was estimated to be 40 degrees F creating very unstable conditions over the low levels of Lake Michigan. Updrafts from nearby showers and thunderstorms resulted in convergent boundaries over the near shore waters of Lake Michigan. The combination of the unstable atmosphere and these boundaries caused five "observed" waterspouts just offshore of downtown Milwaukee, and two "observed" waterspouts just offshore of Kenosha. The waterspouts remained offshore and did not cause any property damage. Most of the waterspouts were filmed by WISN-TV.



Left image shows approximate paths of five waterspouts based on numerous pictures and video submitted by severe weather spotters, U.S. Coast Guard, Milwaukee WISN TV-12, and the general public in the Milwaukee Harbor area. Image on right was taken by Elaine Litzau at about 10:10 A.M. CDT, who was at the Discovery World Museum on the Milwaukee lakeshore. Her image is most likely of waterspout #3 which occurred from 10:02 to 10:23 A.M. CDT.

### WISCONSIN, Southeast

MARQUETTE COUNTY --- 5.0 W WESTFIELD [43.88, -89.58], GERMANIA [43.88, -89.25]

09/02/11 07:35 CST 09/02/11 08:00 CST 75K 0 Thunderstorm Wind (MG 58 kt) Source: Emergency Manager

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Event Type and Details

20041011	Datorrino	Doutilo G	opolity &	Evolit Typo and Botano	
		Injuries	Crop Dmg		
Severe thunderstorms with strong wind gusts produ	iced damage across Marquette	County, includir	ng a 10-mile wide s	wath of damage from west of	
Westfield to Germania. The damaging winds downed	ed power lines and trees, included	ding a tree that c	rushed a parked ca	r on CTH B in Montello. Five homes	
and a single desired and a second and a second as a se	المحاف ومنازاتها والمناجات والمحاف والمحاف		-16 464 00	7 hannananaithat alaatsiait A	

received minor damage to roofs, siding and gutters due to tree debris striking the homes. At the peak of the storm, 937 homes were without electricity. A mesonet site one mile north of Westfield recorded a 67 mph (58 knot) wind gust.

Date/Time

FOND DU LAC COUNTY 1.5 NW FOND DU LAC [43.80, -88.47]					
09/02/11 08:40 CST	0	Thunderstorm Wind (EG 50 kt)			
09/02/11 08:40 CST	0	Source: Emergency Manager			

Severe thunderstorms with strong wind gusts produced damage across central Fond Du Lac County. The damaging winds downed power lines and trees, knocking out power to businesses and homes on the west side of the city of Fond Du Lac.

Forcing from a strengthening low-level jet impinging on a surface warm front as it slowly lifted north through the state, was enhanced by lift from the right entrance region of an upper level jet. A very warm, moist and unstable air mass to the south of the front provided the necessary ingredients for the development of severe thunderstorms over northern sections of South Central and Southeast Wisconsin the morning of September 2nd.

#### IOWA COUNTY --- 2.5 S LINDEN [42.88, -90.27], 4.0 SSW DODGEVILLE [42.92, -90.16]

Location

09/03/11 01:40 CST 50K Thunderstorm Wind (EG 70 kt) 09/03/11 01:45 CST 0 Source: Emergency Manager

The lowa County Emergency manager reported damage from severe thunderstorm wind gusts estimated at 70 knots (80 mph) in a 5-mile wide swath from south of Linden to south-southwest of Dodgeville. The damaging winds blew the roof off of a cattle barn south of Dodgeville and knocked over a grain bin. Numerous trees and power lines were knocked down by the powerful winds.

#### IOWA COUNTY --- 5.0 SE DODGEVILLE [42.92, -90.06], 6.0 NE HOLLANDALE [42.93, -89.85]

09/03/11 02:05 CST 0.10M Thunderstorm Wind (EG 70 kt) 09/03/11 02:15 CST 0.20M Source: Law Enforcement

Law enforcement officials reported damage from severe thunderstorm wind gusts estimated at 70 knots (80 mph) in a 5-mile wide swath from southeast of Dodgeville to northeast of Hollandale. The damaging winds destroyed a cattle shed and caused minor damage to a barn. The winds damaged several corn fields on East Lawinger Road southeast of Dodgeville. A grain bin was knocked off its foundation and destroyed, and a corn field was flattened northeast of Hollandale. Numerous trees and power lines were knocked down by the powerful winds.

#### DANE COUNTY --- 5.0 SW BLUE MOUNDS [42.97, -89.90], 2.0 E MC FARLAND [43.02, -89.24]

09/03/11 02:22 CST 15K Thunderstorm Wind (EG 65 kt) 09/03/11 02:57 CST n Source: Law Enforcement

Law enforcement officials reported damage from severe thunderstorm wind gusts estimated at 65 knots (75 mph) in an 8-mile wide swath from southwest of Blue Mounds to east of McFarland. The damaging winds downed numerous trees and power lines, with 1000 customers left without power in the

#### DANE COUNTY --- OREGON [42.93, -89.38], 5.0 NE ALBION [42.93, -89.00]

09/03/11 02:45 CST 15K Thunderstorm Wind (EG 65 kt) 09/03/11 03:30 CST 0 Source: Trained Spotter

A trained spotter reported numerous trees and power lines downed along a path from Oregon to northeast of Albion from damaging severe thunderstorm wind gusts estimated at 65 knots (75 mph). The winds tore some siding off a home in Oregon. Heavy rain caused ponding of water on area roadways, with water over the curb on some streets in Oregon.

## DANE COUNTY --- 2.0 E PAOLI [42.92, -89.48]

09/03/11 02:46 CST 0 Hail (0.75 in)

09/03/11 02:46 CST 0 Source: Trained Spotter

A trained spotter reported hail near Paoli that was measured 3/4 of an inch in diameter that fell from strong to severe thunderstorms moving through Dane County during the early morning hours of of September 3rd.

# DANE COUNTY --- COTTAGE GROVE [43.08, -89.20]

09/03/11 03:10 CST 0 Thunderstorm Wind (EG 50 kt) 09/03/11 03:10 CST 0 Source: Trained Spotter

A trained spotter reported large tree branches downed from severe thunderstorm wind gusts estimated at 50 knots (58 mph).

JEFFERSON COUNTY --- LAKE MILLS [43.08, -88.90]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details	
	09/03/11 03:10 CST		0	Thunderstorm Wind (EG 65 kt)	
	09/03/11 03:20 CST		0	Source: Trained Spotter	
A trained spotter reported large tree bran hunderstorm wind gusts estimated at 65	- · · · · · · · · · · · · · · · · · · ·	oool blown into a ne	eighbor's yard and	awn furniture tossed from severe	
DANE COUNTY 2.0 NNW MARSHALL	_ [43.20, -89.07]				
	09/03/11 03:11 CST		0	Thunderstorm Wind (EG 56 kt)	
	09/03/11 03:11 CST		0	Source: Law Enforcement	
Law enforcement officers reported trees	downed from severe thunderstorm wi	nd gusts estimated	at 56 knots (65 mp	ph).	
DODGE COUNTY 2.0 N PORTLAND [		25, -88.52]			
	09/03/11 03:20 CST		15K	Thunderstorm Wind (EG 65 kt)	
	09/03/11 03:45 CST		0	Source: Law Enforcement	
Law enforcement officials reported dama Portland to north of Ashippun. The dama	•		i knots (75 mph) in	a 4-mile wide swath from north of	
JEFFERSON COUNTY WATERLOO [		-88.54]			
	09/03/11 03:20 CST		15K	Thunderstorm Wind (EG 65 kt)	
	09/03/11 03:40 CST		0	Source: Law Enforcement	
Law enforcement officials reported dama northeast of Ixonia. The damaging winds			r Kilots (75 mpn) in	a 3-tille wide swatti from waterioo to	
WAUKESHA COUNTY MONTEREY [4	43.17. <del>-</del> 88.501				
WAUKESHA COUNTY MONTEREY [4	<b>43.17</b> , <b>-88.50</b> ] 09/03/11 03:40 CST		2K	Thunderstorm Wind (EG 56 kt)	
WAUKESHA COUNTY MONTEREY [4			2K 0	Thunderstorm Wind (EG 56 kt) Source: Law Enforcement	
Law enforcement officials reported dama	09/03/11 03:40 CST 09/03/11 03:40 CST ge from severe thunderstorm wind gu	usts estimated at 56	0	Source: Law Enforcement	
Law enforcement officials reported dama lines and numerous branches in the towr	09/03/11 03:40 CST 09/03/11 03:40 CST age from severe thunderstorm wind gunship of Oconomowoc.	usts estimated at 56	0 knots (65 mph) th	Source: Law Enforcement at downed two trees and two power	
Law enforcement officials reported dama lines and numerous branches in the towr	09/03/11 03:40 CST 09/03/11 03:40 CST ge from severe thunderstorm wind gunship of Oconomowoc. -88.45]	usts estimated at 56	0 6 knots (65 mph) th 0	Source: Law Enforcement at downed two trees and two power Thunderstorm Wind (EG 56 kt)	
Law enforcement officials reported dama lines and numerous branches in the towr	09/03/11 03:40 CST 09/03/11 03:40 CST age from severe thunderstorm wind gunship of Oconomowoc.	usts estimated at 56	0 knots (65 mph) th	Source: Law Enforcement at downed two trees and two power	
Law enforcement officials reported dama lines and numerous branches in the town	09/03/11 03:40 CST 09/03/11 03:40 CST age from severe thunderstorm wind gunship of Oconomowoc. -88.45] 09/03/11 03:55 CST 09/03/11 03:55 CST		0 6 knots (65 mph) th 0 0	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement	
Law enforcement officials reported dama lines and numerous branches in the town DODGE COUNTY ALDERLEY [43.22, Law enforcement officials reported trees	09/03/11 03:40 CST 09/03/11 03:40 CST ge from severe thunderstorm wind gunship of Oconomowoc. -88.45] 09/03/11 03:55 CST 09/03/11 03:55 CST downed from damaging severe thunce	lerstorm wind gusts	0 s knots (65 mph) the 0 0 c estimated at 56 km	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).	
Law enforcement officials reported dama ines and numerous branches in the town DODGE COUNTY ALDERLEY [43.22, Law enforcement officials reported trees	09/03/11 03:40 CST 09/03/11 03:40 CST ge from severe thunderstorm wind guship of Oconomowoc. -88.45] 09/03/11 03:55 CST 09/03/11 03:55 CST downed from damaging severe thunce FORD [43.25, -88.38], 5.0 SE JACKS 09/03/11 04:00 CST	lerstorm wind gusts	0 s knots (65 mph) the 0 0 s estimated at 56 km	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).  Thunderstorm Wind (EG 60 kt)	
WAUKESHA COUNTY MONTEREY [4] Law enforcement officials reported dama lines and numerous branches in the town  DODGE COUNTY ALDERLEY [43.22,  Law enforcement officials reported trees  WASHINGTON COUNTY 5.0 S HARTI	09/03/11 03:40 CST 09/03/11 03:40 CST ge from severe thunderstorm wind gunship of Oconomowoc. -88.45] 09/03/11 03:55 CST 09/03/11 03:55 CST downed from damaging severe thunce	lerstorm wind gusts	0 s knots (65 mph) the 0 0 c estimated at 56 km	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).	
Law enforcement officials reported dama lines and numerous branches in the town DODGE COUNTY ALDERLEY [43.22, Law enforcement officials reported trees  WASHINGTON COUNTY 5.0 S HARTI  A trained spotter reported numerous tree severe thunderstorm wind gusts estimate	09/03/11 03:40 CST 09/03/11 03:40 CST  ge from severe thunderstorm wind guship of Oconomowoc.  -88.45]  09/03/11 03:55 CST 09/03/11 03:55 CST downed from damaging severe thunce  FORD [43.25, -88.38], 5.0 SE JACKS 09/03/11 04:00 CST 09/03/11 04:20 CST  as and power lines downed in a 6-mile and at 60 knots (69 mph). The roof was	lerstorm wind gusts  ON [43.27, -88.10]  e wide swath from se blown off a silo, to	0 0 0 0 0 estimated at 56 km 3Km 0 outh of Hartford to bees were downed at	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).  Thunderstorm Wind (EG 60 kt) Source: Trained Spotter southeast of Jackson from damaging	
Law enforcement officials reported dama lines and numerous branches in the town DODGE COUNTY ALDERLEY [43.22, Law enforcement officials reported trees  WASHINGTON COUNTY 5.0 S HARTI  A trained spotter reported numerous tree severe thunderstorm wind gusts estimate the severe wind gusts on a farm at the in	09/03/11 03:40 CST 09/03/11 03:40 CST  ge from severe thunderstorm wind guship of Oconomowoc.  -88.45]  09/03/11 03:55 CST 09/03/11 03:55 CST  downed from damaging severe thunce  FORD [43.25, -88.38], 5.0 SE JACKS 09/03/11 04:00 CST 09/03/11 04:20 CST  es and power lines downed in a 6-mile and at 60 knots (69 mph). The roof was tersection of Western Avenue and CT  ERMAN ARPT [43.14, -88.06], 1.1 NV	lerstorm wind gusts  ON [43.27, -88.10]  wide swath from some some some some some some some so	0 s knots (65 mph) the 0 0 s estimated at 56 km 0 south of Hartford to be swere downed a son.	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).  Thunderstorm Wind (EG 60 kt) Source: Trained Spotter southeast of Jackson from damaging and a hay wagon moved 20 feet by	
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Law enforcement officials reported dama lines and numerous branches in the town DODGE COUNTY ALDERLEY [43.22, Law enforcement officials reported trees  WASHINGTON COUNTY 5.0 S HARTI  A trained spotter reported numerous tree severe thunderstorm wind gusts estimate the severe wind gusts on a farm at the in	09/03/11 03:40 CST 09/03/11 03:40 CST  ge from severe thunderstorm wind guship of Oconomowoc.  -88.45]  09/03/11 03:55 CST 09/03/11 03:55 CST  downed from damaging severe thunce  FORD [43.25, -88.38], 5.0 SE JACKS 09/03/11 04:00 CST 09/03/11 04:20 CST  es and power lines downed in a 6-mile and at 60 knots (69 mph). The roof was tersection of Western Avenue and CT  ERMAN ARPT [43.14, -88.06], 1.1 NV	lerstorm wind gusts  ON [43.27, -88.10]  wide swath from some some some some some some some so	0 s knots (65 mph) the 0 0 s estimated at 56 km 0 south of Hartford to be swere downed a son.	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).  Thunderstorm Wind (EG 60 kt) Source: Trained Spotter southeast of Jackson from damaging and a hay wagon moved 20 feet by	
Law enforcement officials reported dama lines and numerous branches in the town DODGE COUNTY ALDERLEY [43.22, Law enforcement officials reported trees  WASHINGTON COUNTY 5.0 S HARTI A trained spotter reported numerous tree severe thunderstorm wind gusts estimate the severe wind gusts on a farm at the in  MILWAUKEE COUNTY 2.0 NW TIMMI	09/03/11 03:40 CST 09/03/11 03:40 CST ge from severe thunderstorm wind guship of Oconomowoc.  -88.45]  09/03/11 03:55 CST 09/03/11 03:55 CST downed from damaging severe thunce  FORD [43.25, -88.38], 5.0 SE JACKS 09/03/11 04:00 CST 09/03/11 04:20 CST  es and power lines downed in a 6-mile and at 60 knots (69 mph). The roof was tersection of Western Avenue and CT  ERMAN ARPT [43.14, -88.06], 1.1 NV 09/03/11 04:10 CST 09/03/11 04:30 CST	lerstorm wind gusts ON [43.27, -88.10]  wide swath from some some some some some some some so	0 s knots (65 mph) the 0 0 s estimated at 56 km 0 south of Hartford to be swere downed a son.	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).  Thunderstorm Wind (EG 60 kt) Source: Trained Spotter southeast of Jackson from damaging and a hay wagon moved 20 feet by  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement	
Law enforcement officials reported dama lines and numerous branches in the town DODGE COUNTY ALDERLEY [43.22, Law enforcement officials reported trees	09/03/11 03:40 CST 09/03/11 03:40 CST  ge from severe thunderstorm wind guship of Oconomowoc.  -88.45]  09/03/11 03:55 CST 09/03/11 03:55 CST downed from damaging severe thunce  FORD [43.25, -88.38], 5.0 SE JACKS 09/03/11 04:00 CST 09/03/11 04:20 CST  es and power lines downed in a 6-mile and at 60 knots (69 mph). The roof was tersection of Western Avenue and CT  ERMAN ARPT [43.14, -88.06], 1.1 NV 09/03/11 04:10 CST 09/03/11 04:30 CST  rous trees and power lines downed in the estimated at 56 knots (65 mph).	lerstorm wind gusts ON [43.27, -88.10] e wide swath from s s blown off a silo, tr TH P south of Jacks V FOX PT [43.18, -6	0 s knots (65 mph) the 0 0 s estimated at 56 km 0 south of Hartford to be swere downed a son.	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).  Thunderstorm Wind (EG 60 kt) Source: Trained Spotter southeast of Jackson from damaging and a hay wagon moved 20 feet by  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement	
Law enforcement officials reported dama lines and numerous branches in the town DODGE COUNTY ALDERLEY [43.22, Law enforcement officials reported trees  WASHINGTON COUNTY 5.0 S HARTI  A trained spotter reported numerous tree severe thunderstorm wind gusts estimate the severe wind gusts on a farm at the in  MILWAUKEE COUNTY 2.0 NW TIMMI	09/03/11 03:40 CST 09/03/11 03:40 CST  ge from severe thunderstorm wind guship of Oconomowoc.  -88.45]  09/03/11 03:55 CST 09/03/11 03:55 CST downed from damaging severe thunce  FORD [43.25, -88.38], 5.0 SE JACKS 09/03/11 04:00 CST 09/03/11 04:20 CST  es and power lines downed in a 6-mile and at 60 knots (69 mph). The roof was tersection of Western Avenue and CT  ERMAN ARPT [43.14, -88.06], 1.1 NV 09/03/11 04:10 CST 09/03/11 04:30 CST  rous trees and power lines downed in the estimated at 56 knots (65 mph).	lerstorm wind gusts ON [43.27, -88.10] e wide swath from s s blown off a silo, tr TH P south of Jacks V FOX PT [43.18, -6	0 s knots (65 mph) the 0 0 s estimated at 56 km 0 south of Hartford to be swere downed a son.	Source: Law Enforcement at downed two trees and two power  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement nots (65 mph).  Thunderstorm Wind (EG 60 kt) Source: Trained Spotter southeast of Jackson from damaging and a hay wagon moved 20 feet by  Thunderstorm Wind (EG 56 kt) Source: Law Enforcement	

A residual surface boundary that extended from eastern lowa across northern Illinois was the focus for thunderstorm development as a moderate southwest 850 mb jet pushed it north as a warm front. Upper divergence from the right entrance region of an upper jet maxmum provided additional lift. Moderate deep layer wind shear produced sustained updrafts to form thunderstorm clusters that

damaging severe thunderstorm wind gusts estimated at 56 knots (65 mph).

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Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

evolved into short line segments as they reached southern Wisconsin. The severe thunderstorm lines produced damaging wind gusts in a swath from Iowa County along and either side of the I-94 corridor to Milwaukee and Ozaukee counties.

WAUKESHA COUNTY --- 1.6 SSW DOWNTOWN WAUKESHA [43.00, -88.23]

09/25/11 11:55 CST 2K Lightning

09/25/11 11:55 CST 0 Source: Newspaper

Lightning struck a tree outside of a home in the 100 block of west Frame Avenue in the City of Waukesha. The lightning strike also damaged the gas meter at the home and part of a gas line. Some homes in the area were evacuated briefly as a precaution. The lightning strike sent some pieces of wood from the tree 60 yards away from the point of impact, damaging some nearby properties. Fire officials had the gas line problem resolved by 4:30 pm CDT (3:30 pm CST)

GREEN COUNTY --- 4.0 NW MONTICELLO [42.77, -89.64]

09/25/11 13:25 CST 0 Funnel Cloud

09/25/11 13:25 CST 0 Source: Trained Spotter

A trained spotter reported a funnel cloud northwest of Monticello in north-central Green County.

LAFAYETTE COUNTY --- 2.0 SE SOUTH WAYNE [42.55, -89.85]

09/25/11 13:55 CST 0 Funnel Cloud

09/25/11 13:55 CST 0 Source: Law Enforcement

Law enforcement officials reported a funnel cloud southeast of the town of South Wayne in far southeast Lafayette County.

DANE COUNTY --- 1.0 W VERONA [42.98, -89.55]

09/25/11 16:10 CST 0 Hail (0.75 in)

09/25/11 16:10 CST 0 Source: Trained Spotter

A trained spotter reported hail, 3/4 of an inch in diameter, that fell 1 mile west of the town of Verona in Dane County.

A cut-off upper level low pressure system, situated just south of the Wisconsin/Illinois border, produced a deepening surface low that wrapped north and then west around the upper low. Deep moisture...strong layer Q-vector convergence and strong 850-700 mb warm air advection pushed across southern Wisconsin ahead of, and along with, the surface low during the afternoon hours of September 25th. Thunderstorms were embedded within the broad shield of rain showers that developed over South-Central and Southeast Wisconsin. These storms produced small hail, and a few funnel cloud reports, mainly over southwest portions of South-Central Wisconsin.

RACINE COUNTY --- 1.0 NW IVES GROVE [42.74, -87.98], 1.3 ENE IVES GROVE [42.74, -87.95], 1.2 ESE IVES GROVE [42.72, -87.95], 1.0 SW IVES GROVE [42.72, -87.98]

09/26/11 05:00 CST 1 6K Flood (due to Heavy Rain)
09/26/11 05:00 CST 1K Source: Newspaper

Heavy rains resulted in flash flooding of a construction zone on the west frontage road of I-94 between STH 20 and CTH C. A 76-year-old Dousman man died when his car stalled in the flood waters after driving into a flooded ditch in the construction zone. The preliminary cause of death was from a heart attack and hypothermia, suffered when the victim apparently tried to leave the marooned car and walk for help. His body was found in the flood water about 100 yards from his car.

Direct Fatalities: M76EQ

Showers and thunderstorms associated with a cut-off upper low that stalled over northern Illinois and southern Wisconsin produced up to 3 inches of rain across parts of southern Wisconsin over a 48-hour period ending the morning of September 26th...with between 1.5 and 2 inches falling in the last 24 hours of that two-day period. The heavy rains flooded low-lying areas and ditches across the region, with standing water 3 to 4 feet deep in some locations. A 76-year-old man died of a heart attack and hypothermia after his car became stalled after he drove into a flooded construction zone in Racine County.

(WI-Z056) SAUK, (WI-Z062) IOWA, (WI-Z067) LAFAYETTE

09/29/11 13:00 CST 6K Strong Wind (MAX 47 kt)

09/29/11 22:00 CST 0

Strong and gusty northwest winds developed over South-Central Wisconsin behind a cold front trailing from rapidly strengthening low pressure that tracked across northern Wisconsin into northern Lower Michigan on Thursday, September 29th. The resulting tight pressure gradient over the state produced 850 mb winds of 45 knots (52 mph) and 925 mb winds of 35 to 40 knots (45 and 55 mph). Surface winds gusted between 45 mph and 54 mph (39 to 47 knots), driven by 3-hourly pressure rises on the order of 4 millibars. The strong winds toppled trees and downed power lines at scattered locations across South-Central Wisconsin.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(WI-Z046) MARQUETTE, (WI-Z047) GREI		•		DDGE, (WI-Z059) WASHINGTON,
(WI-Z063) DANE, (WI-Z064) JEFFERSON	, (WI-Z065) WAUKESHA, (WI-Z069) RC 09/29/11 13:00 CST	OCK, (WI-Z070) \	WALWORTH 21K	Strong Wind (MAX 48 kt)
	09/30/11 00:00 CST		0	Strong willia (WAX 40 KL)
WASHINGTON COUNTY HARTFORD	[43.32, -88.38]			
	09/29/11 14:15 CST		0	Hail (0.75 in)
	09/29/11 14:15 CST		0	Source: Trained Spotter
Scattered thunderstorms that accompanion most of teh hail was 1/4 to 1/2 inch in diar		•	•	
Strong and gusty northwest winds deve strengthening low pressure that tracked resulting tight pressure gradient over th 55 mph). Surface winds gusted between	across northern Wisconsin into nort e state produced 850 mb winds of 45	hern Lower Mic knots (52 mph)	nigan on Thursday and 925 mb winds	y, September 29th. The s of 35 to 40 knots (45 and

(WI-Z052) SHEBOYGAN, (WI-Z060) OZAUKEE, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA

09/29/11 14:00 CST 10K Strong Wind (MAX 46 kt) 09/30/11 02:45 CST 0

Strong and gusty northwest winds developed over Southeast Wisconsin behind a cold front trailing from rapidly strengthening low pressure that tracked across northern Wisconsin into northern Lower Michigan on Thursday, September 29th. The resulting tight pressure gradient over the state produced 850 mb winds of 45 knots (52 mph) and 925 mb winds of 35 to 40 knots (45 and 55 mph). Surface winds gusted between 45 mph and 53 mph (39 to 46 knots), driven by 3-hourly pressure rises on the order of 4 millibars. The strong winds, which continued into the early morning hours of September 30th, toppled trees and downed power lines across Southeast Wisconsin. The power outages indirectly led to the death of a 49-year-old Milwaukee man on a ventilator.

(WI-Z068) GREEN			
	09/29/11 15:00 CST	4K	High Wind (MAX 59 kt)
	09/29/11 17:00 CST	0	

Strong and gusty northwest winds developed over South-Central Wisconsin behind a cold front trailing from rapidly strengthening low pressure that tracked across northern Wisconsin into northern Lower Michigan on Thursday, September 29th. The resulting tight pressure gradient over the state produced 850 mb winds of 45 knots (52 mph)and 925 mb winds of 35 to 40 knots (40 to 46 mph). Surface winds gusted between 50 mph and 68 mph in Green County, driven by 3-hourly pressure rises on the order of 4 millibars. The strong winds toppled trees and downed power lines across South-Central Wisconsin. The strong winds affected all of Wisconsin, with all of the state parks on the Door Peninsula closed for the entire following weekend to allow crews time to clear debris and restore power.

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